

# CWSF 2011 - Toronto, Ontario



## Putting a Lid on Concussions - Materials Testing and a New Helmet Design

**Challenge:** Innovation

**Category:** Junior

**Region:**

**City:** ,

**School:**

**Abstract:** I have come up with a scientific method using electronics to explore improved materials for use in construction of helmets for sports impacts. The results of these tests have been applied to a new prototype helmet. Testing with the same equipment used for materials analysis has proved my helmet to be a superior solution over helmets currently being sold, which results in less sports concussions.

Awards	Value
Challenge Award - Innovation - Junior Sponsor: Research In Motion	\$500
Excellence Award - Junior - Gold Medal Sponsor: Youth Science Canada	\$1 500
The University of Western Ontario Scholarship Gold Medallist - \$4000 Entrance Scholarship Sponsor: University of Western Ontario	\$4 000
Platinum Award - Best Junior Project Sponsor: Youth Science Canada	\$5 000
Total	\$11 000